Solar Data Systems

Solar solutions for monitoring, visualization, evaluation, troubleshooting & control

Solar Monitoring as a Service
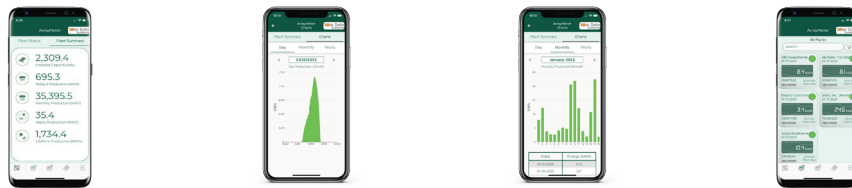

ArrayMeter

Mobile App

Complete solar plant production information, all from your phone or tablet.

The ArrayMeter is a revenue-grade solar power production meter with LTE cellular capability from Solar Data Systems. A three-phase version is available for commercial and industrial solar plants, and a single-phase version is available for all residential solar plants.

Installation and setup can be completed on the App in less than 10 minutes, all from a mobile device. With the ArrayMeter App, there's no longer any need to take a laptop to the site! Current solar plant production information, historical data, and a solar fleet overview can be accessed in just a few simple swipes. Create, manage, edit and assign plants to specific users, also providing plant owners with immediate access to their plant information.

ArrayMeter App Benefits & Values

- Free to download. A cost-effective solution to revenue-grade metering.
- Takes less than 10 minutes to set up.
- User-friendly interface allows for quick status views of multiple solar plants.
- Stay at maximum efficiency, with iOS and Android push notifications.
- View fleet status, updates, overviews and reports right from the dashboard.
- Remotely visualize the status of your ArrayMeter.
- Assign as many plants as you like to specific users.

Plant Owners

Easily check to see how much power your solar plant has produced in the last day, month, and year. Even access historical plant information to see how your production has changed over time.

- View plant information and production data from the quick access plant card
  - Energy summary data (e.g. daily, monthly, yearly, historical)
  - Plant status with the date and time of last communication
  - Savings
  - Plant start date
- Identify plants with no production or lost communication
- Installer contact email and phone number for assistance
- Push notification of the current plant status and previous day's production
- Daily, monthly, and yearly energy graphs
- Intelligent calendar function to easily access plant data from a specific date
- Charts in both landscape and portrait view
- Table view of monthly and yearly values

Solar Installers and Fleet Managers

Leave the laptop at home. The mobile app allows solar installers to complete the installation and setup of the ArrayMeter in less than 10 minutes, all from a mobile device.

Plant owner features, plus:
- Single view fleet status, energy summary and health (online, no production, no communication)
  - Fleet Dashboard
    - Plant Status Summary
    - Total Plants
    - Number of plants online
    - Number of plants with no communication
    - Number of plants with no production
    - Estimated kW loss (denotes the plant capacity impacted with no production or communication)
  - Fleet Production Summary
    - Total capacity of the fleet (kW)
    - Today's Production of the fleet (kWh)
    - Monthly Production of the fleet (kWh)
    - Yearly Production of the fleet (MWh)
    - Lifetime Production of the fleet (MWh)
- Plant card view with daily energy production and plant status (traffic light view)
  - Green - Online
  - Red - No Production
  - Orange - No Communication
  - Grey - Not Commissioned
  - Select day, month, or year right from the dashboard without having to navigate to the chart section
- User Management
  - Add, edit and delete plant owners
  - Add and delete plants from the plant owner account
  - User/Installer accounts directly linked with the ArrayMeter online portal
  - Multiple plants to one user account
  - Multiple installer accounts for the fleet
  - Single plant to multiple users under the fleet
- Plant Management
  - Additions, edits and deletions sync with the ArrayMeter online portal
  - Installer can define electricity cost ($/kWh) per plant
- Direct user/installer accounts linked with the ArrayMeter online portal

ArrayMeter

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